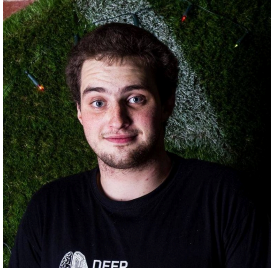


# Arsenii Ashukha

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## Summary

I am a second year Master Student at MIPT also I do research at [Bayes Group](#) under supervision of prof. Dmitry Vetrov. My research is focused on Bayesian regularization of deep neural nets. At MIPT, MSU, HSE I teach several Machine Learning courses.

**Skills:** Machine Learning, Deep Learning, Bayesian ML, Python, Hadoop, Hive, Linux, English (B2)

## Education

- |                              |  |   |
|------------------------------|--|---|
| <b>2015 - 2017</b><br>Thesis | Master, <i>Machine Learning</i> , Moscow Institute of Physics and Technology, GPA: 9.0/10.0<br><i>Regularization of Deep Neural Nets</i> , Supervisor: Prof. D. Vetrov (HSE), A. Dral (MIPT)   |  |
| <b>2015 - 2016</b><br>Result | Irregular Student, <i>Machine Learning</i> , Yandex School of Data Analysis, GPA: 4.8/5.0<br><i>Six courses were passed and the favorites are Bayesian ML, Deep Learning, Machine Learning</i> |  |
| <b>2011 - 2015</b><br>Thesis | Bachelor, <i>Computer Science</i> , Bauman Moscow State Technical University, GPA: 3.7/5.0<br><i>Building of Uncorrelated Kernels for Topic Models</i> , Supervisor: N. Loukachevitch (MSU)    |  |

## Teaching

- **Feb 2016 - Feb 2017:** Practical Lecturer of [Machine Learning course](#) at MIPT (parts 1,2)
- **Sep 2016 - Now:** Lecturer of several classes of Deep Learning courses at [MSU](#) and [HSE](#)
- **Oct 2016 - Now:** Lecturer of DL part of [Data Mining in Action course](#), [YouTube](#) records in Russian ☺
- **Feb 2017 - Now:** Lecturer of DL part in [Machine Learning course](#) at MIPT
- **Feb 2017 - Now:** Co-head of Scientific Machine Learning seminar for MIPT and HSE [Yandex](#) students

## Experience

- |  |   |   |
|--|---|---|
| <b>Jun 2016 - Aug 2016</b><br>3 month            | <b>Yandex</b> , Moscow — Intern at Music Deep Learning Group (E. Krofto) <ul style="list-style-type: none"><li>- Searching similar tracks and building recommendation features using DNN</li></ul>  | <br><b>RAMBLER&amp;Co</b><br><br><b>RAMBLER&amp;Co</b> |
| <b>Dec 2013 - Feb 2016</b><br>2 year 1 month p/t | <b>Rambler</b> , Moscow — R&D Engineer at ML Group (A. Gorokhov, P. Klemenkov) <ul style="list-style-type: none"><li>- Improving the quality and performance of user classification using browser history</li><li>- Recommendations system for the news posts on <a href="http://rambler.ru">rambler.ru</a></li></ul> |   |
| <b>Jun 2013 - Aug 2013</b><br>3 month            | <b>Rambler</b> , Moscow — Intern at Search Group (M. Karpenko) <ul style="list-style-type: none"><li>- Users query classification to show a mixing in search results</li></ul>  |   |

## Publications

- Dmitry Molchanov\*, Arseniy Ashuha\* and Dmitry Vetrov (\* equal contribution)
1. Variational Dropout Sparsifies Deep Neural Networks  
<https://arxiv.org/abs/1701.05369> (Under review by the ICML 2017)
  2. Dropout-based Automatic Relevance Determination  
*Bayesian Deep Learning Workshop, Neural Information Processing Systems 2016*
  3. Bigram Anchor Words Topic Model  
*International Conference on Image Analysis, Social Networks and Texts 2016*